NOVEMBER/DECEMBER 2023

CEBC64 — PHARMACEUTICAL BIOCHEMISTRY

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are agonist?
2. With example explain conjugation reaction.
3. Define IC 50.
4. What is meant by drug allergy?
5. Define antibiotics.
6. What are hypoglycemic drugs?
7. Mention about the active principle present in aswagandha
8. List out any 4 bioactive components of Tulsi.
9. What are Cytotoxic drugs.
10. Outline the names of secondary metabolites.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Identify the mechanism of on the action of Cyt p450 in drug metabolism.

Or

(b) Examine the various factors involved in absorption of drug.

12. (a) Organism the consequences of drug abuse.

Or

(b) Examine the terms 'Drug tolerance and intolerance'.

13. (a) Specify the mode of action of beta lactam antibiotics.

Or

(b) Analyse the mode of action of statins.

14. (a) Organise the medicinal importances of turmeric.

Or

(b) Examine the significance of plants in ayurvedic sciences.

15. (a) Identify the Mode of action of alkaloids.

Or

(b) Specify the action of plant based drugs involved in the treatment of cancer.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the concept and theories of receptors.

17. Discuss on drug delivery systems.

18. Assess the mode of action of antidiabetic drugs.

19. Elaborate on the various hypoglycaemic drugs.

20. Formulate the procedure involved in isolation of Bioactive compounds using HPLC

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